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the home medical equipment specialists

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**BHM**  
**MEDICAL INC.**

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## USER MANUAL

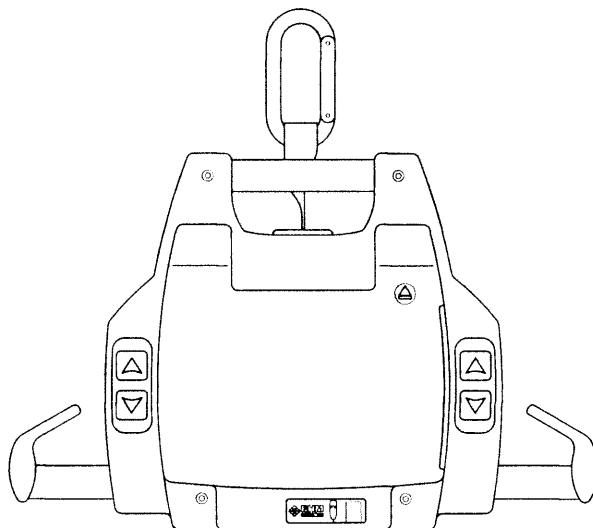
Revision 7, March 2004

**IMPORTANT: Read these instructions before installing, operating or servicing this system.**

## PORTABLE VOYAGER®

Product # VOYAGER (N. America)  
VOYAGER-AU (Australia)  
VOYAGER-CE (Europe)  
VOYAGER-JP (Japan)  
VOYAGER-UK (United Kingdom)

### CEILING LIFT SYSTEM



**DO NOT DESTROY  
KEEP KEY ENCLOSED AND MANUAL WITH  
THE LIFT AT ALL TIMES.**

BHM MEDICAL INC., 2001 TANGUAY STREET, MAGOG, QUEBEC, CANADA, J1X 5Y5

**BHM** Medical Inc. designs and manufactures quality engineered patient lifting equipment for the care of the disabled in hospitals, nursing homes and home care.

Please take the time to read the entire manual, including the section on Safety Instructions and Warnings. It contains important information that will allow you to take advantage of all the characteristics of your BHM patient lift.

**BHM Medical Inc. Credentials**

- FDA Registration # 9681684
- CE mark (European Union Listing)
- Global Operations for in-warranty and out-of-warranty service support for Voyager Portable lift.
- Each finished Voyager Portable is individually tested in our laboratory.
- Lifting Capacity 200 kg/440 lbs. Engineering safety factor exceeds European Standards.
- Complete range of patient lift slings and supports designed and manufactured by BHM Medical Inc. using medical quality materials and fabrics.
- ISO 9001
- Quick release US PATENT #6085368 / Patent Pending in other countries.
- Voyager is a registered trademark of BHM Medical inc.

**APPROVALS:**

CSA 601.1  
UL 2601.1  
EN 60601.1  
EN ISO 10535 (Lifting device) SGS  
UK Test Report: DUR22107/AC/OO

Note: BHM Medical is constantly improving its products. For this reason, it may be possible to encounter a modification of product without revision of this guide.

Thank you for trusting your BHM Medical Partners.



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## INTRODUCTION

### How to use this Manual



**DO NOT ATTEMPT TO USE THIS EQUIPMENT WITHOUT UNDERSTANDING THIS MANUAL.**

To ensure safe operation, read carefully the entire manual, especially the section on "Safety Instructions and Warnings", before installing, operating, or servicing this equipment.

If anything is not completely understood, please contact your supplier for more details. Failure to comply with warnings in this manual may result in injury.

Keep this manual with the lift and refer to it as required. Contents of this manual are subject to change without prior notice to users.

Throughout this manual, the following symbols may appear. Pay particular attention to the information provided under these headings. These special annotations are easily recognized as follows:



**WARNING:** this symbol is intended to alert the user to hazards or unsafe practices, which could result in serious bodily harm.



**CAUTION:** this symbol is intended to alert the user of the presence of important operating and maintenance instructions, which could prevent product damage or possible personal injury.



**NOTE:** this symbol offers helpful information concerning certain operating procedures.

Additional copies of this manual can be purchased by contacting your supplier. Include the User Manual product number and equipment identification numbers.

### Equipment Identification

The unit's identification number (specification, model, serial number) appears on a silver nameplate attached to the back of base.

### Receipt of Equipment

Upon receipt of the equipment, verify it against the packing list to ensure it is complete and inspect the equipment for possible damage due to shipping. If there is any damage, DO NOT use the equipment and notify the carrier immediately to file a claim. Provide complete information concerning damage claims or shipping errors to your supplier. Include all equipment identification numbers and group part numbers (if any) as described above along with a full description of damaged parts.

### Key to Symbols

**THE FOLLOWING SYMBOLS ARE USED ON LIFTER'S ATTACHMENT LABELS:**



This symbol is required to be displayed on regulated products for sale in the European Market. It indicates that the product complies with applicable European Directives related to health, safety, environment and consumer protection.



Safe Working Load represents the maximum load the lifter is rated for safe operation.

The following symbols are used on sling labels and related to washing instructions:



Maximum washing temperature 60°C (140°F) permanent cycle.



Do not use bleach.



Do not dry clean.



Tumble dry low temperature.



Do not iron.

Please refer to individual sling labels for complete instructions regarding washing and drying.

## **SAFETY INSTRUCTIONS AND WARNINGS**

**IMPORTANT – BEFORE USING THE PATIENT LIFTER FOR THE FIRST TIME, PLEASE PUT THE UNIT UNDER CHARGING AT LEAST 8 HOURS TO COMPLETELY RECHARGE BATTERIES.**

### **A. GENERAL**

- **IMPORTANT – READ THESE INSTRUCTIONS CAREFULLY OR SERIOUS INJURY MAY RESULT.**
- **KEEP THESE INSTRUCTIONS AND THE KEY PROVIDED WITH THE LIFT AT ALL TIMES.**
- **READ OPERATION AND MAINTENANCE INSTRUCTIONS IN THIS MANUAL BEFORE INSTALLING, OPERATING, OR SERVICING THIS EQUIPMENT.**
- **BHM Medical ceiling lifts are installed by an authorized contractor or installer**
- **Your lift is for transferring patients only. Do not use the lift for any other purpose.**
- **Always carry out the daily checklist before using the lift.**
- **BHM Medical ceiling lifts are specifically designed for BHM Medical ceiling rail systems, slings and accessories. Slings and accessories designed by any other manufacturer are prohibited and will void BHM Medical's warranty. Use only BHM Medical slings and accessories to maintain patient safety and product utility.**
- **BHM Medical ceiling lifts are intended to be used for patients within the specified weight limit indicated for the lift. Do not attempt to lift more than the weight limit indicated.**
- **Before attempting to transfer, the patient must be assessed by a qualified professional.**
- **BHM Medical ceiling lifts must be used by a caregiver with proper training to work with the patient to be transferred.**
- **ONLY trained and qualified caregivers should transfer a patient. DO NOT attempt to use the lift if you have not been properly trained to do so.**
- **ALWAYS be prepared before attempting to transfer a patient.**
- **DO NOT use a sling that is not recommended for the lift.**
- **NEVER use a damaged, torn or frayed sling.**
- **Always place the sling around the patient according to the instructions enclosed.**
- **FOLLOW lifting procedures outlined in this manual.**
- **USE all controls and safety features only according to the rules specified in this manual. Never attempt to force a control or button on the lift.**
- **DO NOT store the charger in a shower, bath or other areas with high humidity.**
- **DO NOT drop the patient lift or battery. Dropping the battery or lift may cause internal damage that is not easily seen. If the lift is suspected to be damaged, take to an authorized technician for servicing.**
- **IMPORTANT: Keep all components of the lift clean and dry, and have electrical and mechanical safety checkpoints done as instructed in the Maintenance section of this manual.**
- **Replace any precautionary or instruction labels that cannot be easily read.**
- **Avoid violent shock during transportation.**

### B. SHOCK PREVENTION

- DO NOT touch or use a lift with bare conductors or a damaged power cord. Electrically live equipment can electrocute a patient. If the lift or charger has any exposed or damaged wires contact your local dealer immediately.
- DO NOT cut or remove the round grounding prong from any plug. All BHM lifts are equipped with three-prong plugs to protect from shock hazard or electrocution. Any two-prong electrical outlet must be replaced with a properly grounded three-prong outlet according to the National Electrical Code and local codes. It is the responsibility of the customer to have the work done by a qualified electrician.
- Do not splash or expose electric parts of the device to water or moisture.
- Check nameplate for voltage and cycle requirements. These requirements differ by country. Do not attempt to use the lift in an area that has a different voltage and cycle requirement.
- DO NOT attempt to expose, service or repair the lift, battery or charger. If any unit is malfunctioning, contact your local dealer.
- READ the battery and charger instructions thoroughly before using or storing them.

### C. FIRE AND EXPLOSION PREVENTION

- Batteries may explode, leak and cause personal injury if not disposed of properly
  - Do not place or store the battery under direct sunlight or near a heat source
  - Do not dispose of in fire
  - Do not short the battery terminals
  - Do not incinerate
  - Flush with water if electrolyte (Acid) comes in contact with skin or eyes.
- Batteries must be recycled, disposed of according to local law regulations. When returning batteries, insulate their terminals with adhesive tape, etc. Otherwise, the residual electricity in used batteries may cause fire or explosion.



### D. EQUIPMENT WARNING LABELS

- Inspect all precautionary labels on the equipment. Order and replace all labels that cannot be easily read.

## DESCRIPTION OF EQUIPMENT

## Lift Unit

The lift unit is an aluminium frame based system driven by a gear reduced high torque motor.

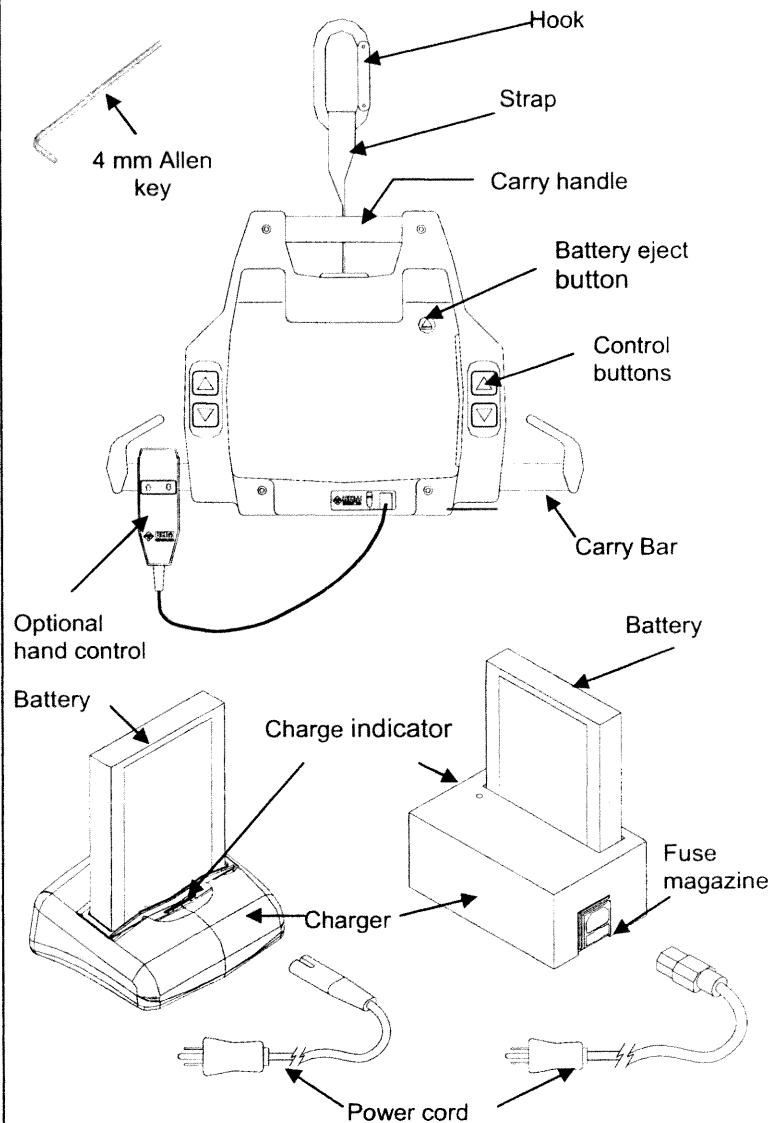
## OPERATING FEATURES

- Ultra-light; 5.45 kg (12 pounds.) battery included.
- Electronic soft-start and soft-stop motor control.
- Easily accessible controls on both sides of the unit.
- Manual emergency lowering device (in case of electrical failure).
- Emergency brake (in case of mechanical failure). Operates on the same principle as a car safety belt mechanism.
- *Quick-Release* feature allows very fast winding and unwinding of the strap before and after transfer operation.
- *Anti-crush* feature stops the lift when there is no tension on the strap, avoiding any injury to the patient. This feature also prevents the strap from getting twisted inside the machine.
- Current limiter for circuit protection in case of overload.
- Low battery disconnect system to protect batteries from been drained.
- Lifting speed: 4 cm/sec. (1.6 in./sec.).
- Strap length up to 2.2 m (88 inches). Tested for 1363.6 kg (3000 lbs.).
- CSA No. 601.1, UL No. 2601-1 and CE certifications.
- Respects EMI standards.

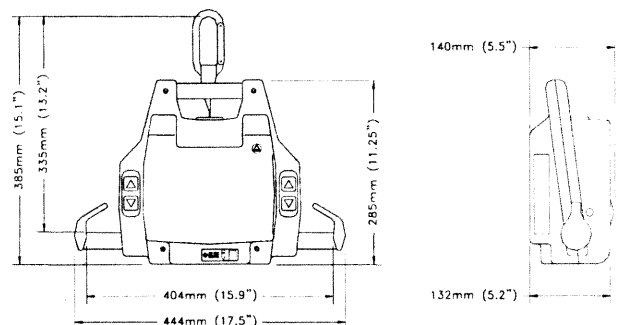
## What's included

ITEM	QTY
Voyager lift	1
Battery	1
Charger	1
Power cord	1
4 mm Allen key	1
User Manual	1

## Parts Description



## Dimension



## BHM ERGOFIT SLING

Every patient has different needs. It is very important to choose the right sling based on the needs of the patient to be transferred as well as their physical ability and size.

All BHM slings are made from a Polyester/ Nylon material, which is soft and pliable, easy to care for, and install. All slings are machine wash and dry in medium temperature. BHM slings are covered by a one-year warranty.



**PLEASE READ THE FOLLOWING CAREFULLY, BEFORE USING A BHM MEDICAL ERGOFIT SLING.**

- **ALWAYS CARRY OUT THE DAILY CHECKLIST BEFORE EACH LIFT USE.**
- **BHM MEDICAL CEILING LIFTS ARE SPECIFICALLY DESIGNED FOR BHM MEDICAL SLINGS AND ACCESSORIES. SLINGS AND ACCESSORIES DESIGNED BY ANY OTHER MANUFACTURER ARE PROHIBITED AND WILL VOID BHM MEDICAL'S WARRANTY. USE ONLY BHM MEDICAL SLINGS AND ACCESSORIES TO MAINTAIN PATIENT SAFETY AND PRODUCT UTILITY.**
- **PATIENT TO BE TRANSFERRED MUST BE ASSESSED BY A QUALIFIED PROFESSIONAL BEFORE ATTEMPTING TO TRANSFER.**

Observe a trained expert to perform the transfer procedures and then practice them several times with a capable individual acting as patient before attempting a transfer with a patient with limited capabilities.

- **READ CAREFULLY ALL INSTRUCTIONS BELOW BEFORE ATTEMPTING TO INSTALL A SLING.**
- **IF YOU HAVE ANY DOUBTS, PLEASE CONTACT YOUR LOCAL REPRESENTATIVE.**

Before transferring a patient from a stationary object (wheelchair, bath or bed), slightly raise the patient off the stationary object and check that all sling attachments are secure. If any attachment is not correct, lower the patient and correct the problem, then raise the patient and check again.

- **USE A SLING RECOMMENDED BY THE PATIENT'S PHYSICIAN, NURSE OR MEDICAL SPECIALIST AS APPROPRIATE FOR THE PATIENT'S ABILITY AND NEEDS.**


**DO NOT use any kind of plastic backed incontinence pad or seating cushion between the patient and sling material. That may cause the patient to slide out of the sling during a transfer.**


**DO NOT exceed the maximum weight limitation of the sling.**


- **WHENEVER POSSIBLE, HAVE SOMEONE ASSIST YOU TO ENSURE THE PATIENT'S SAFETY AT ALL TIMES.**


Laundry Instructions for all slings:


The following symbols are used on sling labels and related to washing instructions:

 Maximum washing temperature 60°C (140°F) permanent cycle.

 Do not use bleach.

 Do not dry clean.

 Tumble dry low temperature.

 Do not iron.

## User instructions for: Hammock Sling



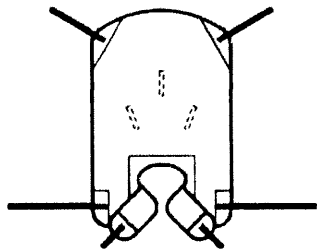
**Inspect each sling for wear, tears or loose stitching after each wash.**

### Hammock Sling (THA-S, M & L)

Our most universal sling, the Hammock sling, is a mesh type material that dries quickly but is soft and pliable. The sling has an incorporated head support and a unique strap system that keeps the patient secure in the sling. A special polyester fabric in the seat area helps to reduce friction and makes the sling easy to place around a patient in a chair without lifting or remove the patient. The patient may be transferred in a seated, semi-reclined or fully reclined position. Best choice for most situations – including bathing. Fits all BHM ceiling lift models as well

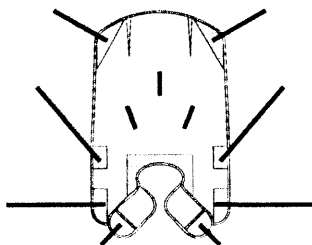


as the Ergolift Mobile Lift. Available in sizes S, M & L. Weight capacity is 250 kg (550 lbs.)



### Hammock 6 Strap Sling (THA6-S, M & L)

Almost identical to the Hammock sling above, this sling provides extra security and a tighter fit for patients who are low-tone or who would prefer a more secure feeling. The head support is tighter and the extra straps on the side provide more lateral support. The patient may be transferred in a seated, semi-reclined or fully reclined position. Fits all BHM ceiling lift models as well as the Ergolift mobile lift. Available in sizes S, M & L. Weight capacity is 250 kg (550 lbs.).



### SLING SIZES AND PRODUCT NUMBERS:

	SMALL	MEDIUM	LARGE
Approximate weight:	20-46 kg (45-100 lbs.)	46-95 kg (100-210 lbs.)	95-250 kg (210-550 lbs.)
Approximate height:	120-150 cm (4'-4'11")	151-180 cm (5'-5'11")	181 cm + (6' +)
Color Code	Red	Yellow	Green
Hammock Product #	THA-S	THA-M	THA-L
Hammock 6 Product #	THA6-S	THA6-M	THA6-L

### Sling Placement - from Chair or Wheelchair

2. Sling has two sides, the white fabric indicates the side that is intended to be next to the patient and the label and colored handles are on the outside. The top of the sling is slightly rounded and the bottom of the sling has a U-shaped design.



(U-shape and white fabric)

5. Lean the patient forward in the chair and make sure that the patient is supported.



**Whenever possible have someone assist you to ensure the patient's safety at all times.**

6. With the white fabric of the sling facing the patient, grab the sling at the top of the U-shape and slide the sling down to the base of the spine or coccyx.



7. Tuck the sling down on each side to make sure that it is just slightly under the patient's buttock. Check for the stitching of the sling handle at the center to make sure that it is in line with the patient's spine and bring the patient to the back of the chair or wheelchair.

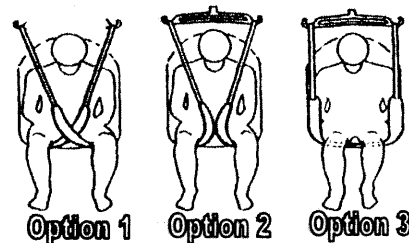


7. Kneel in front of the patient so that your back is straight and so you are at eye level with the patient. Grab the end of the sling with the white fabric and make sure there are no twists in the sling. Make sure the white fabric is facing the patient's leg. Place one hand on the patient's knee to hold it in place and gently pull the sling forward with the other hand until the edge of the sling is approximately even with the patient's knee.
8. Place the patient's foot on your thigh and slide the white section of the sling under the leg.



9. Repeat steps 5 & 6 for the other leg.

## Sling Attachment Options

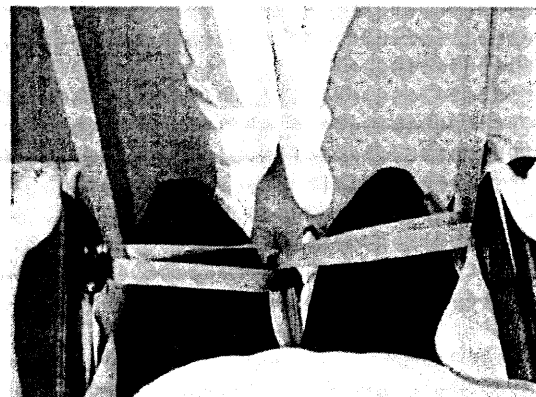


### Option 1 - Bridge (Most recommended)

- d) Take the two straps between the legs – these are the short loops – and thread one loop through the other to cross them.



- e) Now take the long strap on the outside of each leg and string it through the inside strap. By crossing the straps as you see here, form a bridge above the patient's legs and protect them from any pinching or pressure, as well as keep the knees and hips in line.



- f) Finally, place the patient's hands inside the sling.

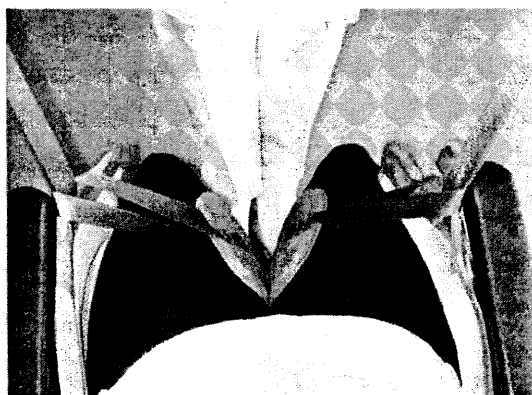
**OPTION 2 – Leg Separation**

Using this method of sling placement will pull the patient's legs apart. Check with the patient's physician, nurse or medical specialist before attempting this method.

- c) Thread the long strap through the short strap on each leg.



- d) Each short strap should be looped through the long strap on the same leg.



- d) Place the hands inside the sling. See sling placement for leg separation as installed below.

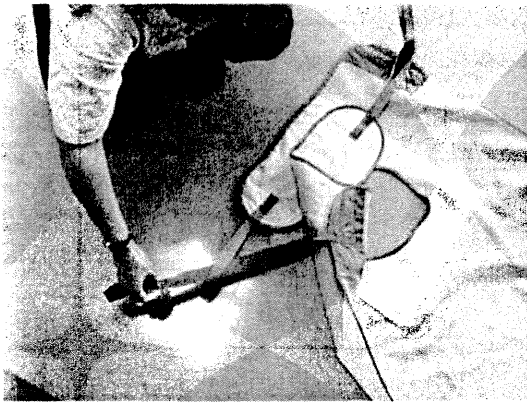
**OPTION 3 – Amputee**

Do not use this method of sling placement for a patient who is agitated or spastic.

- d) Slide the sling end with the white fabric so that it is all the way under both legs. One sling strap will be on top of the other.



- e) Thread the long strap through the short strap that is next to it. The photo below shows clearly an example without a patient in it.



- f) When installed, there should not be any sling material between the patient's legs. Place the hands inside the sling.

### Sling Placement- from lying position

5. Fold the sling in half lengthwise with the white part of the sling on the inside of the fold and place next to the patient to be transferred.



**When transferring a patient from a bed, have people on each side of it, or raise the bed rails to ensure the patient does not roll off the bed.**

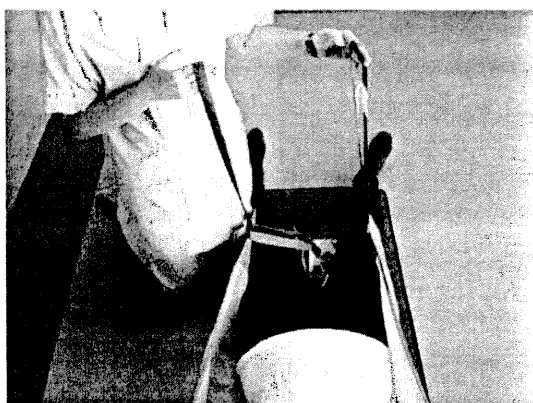
6. With someone there to assist you, carefully roll the patient onto one side. Now place the fold of the sling at the center of the bed or where the spine of the patient will be. The top of the U-shape in the sling should be at the base of the spine or coccyx. The top of the sling should be next to the head. Lift the top fold and tuck next to the patient.



7. Lower the patient down on top of the sling. Roll the patient the opposite direction to pull the sling out the other side.



4. Place the straps in the same way as shown from a seated position for the Hammock sling.



### Sling attachment to Carry Bar

9. Ensure the sling is properly placed around the patient according to the instructions above.
3. Choose the color of the loop you will need for the position you will be placing the patient in. If transferring to a seated position, use the loops indicating it.

Sling position		
	BLACK	BLUE
	GREY	BLUE
	BLUE	BLUE
	BLUE	GREY



**Always use the same color loop on the rear shoulder straps for both sides of the sling.**

**Use the same color loop on the leg straps for both sides of the sling.**

**Use the same color loop on the hip straps for both sides of the Hammock 6-strap sling.**

5. Ensure the patient's arms are inside the sling and that it is not caught on any obstructions (e.g. wheelchair brake or handle).
6. See Lift Instructions for next step.

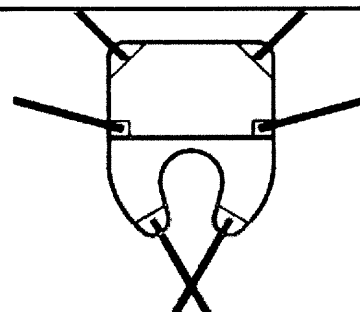
### User Instructions for:

#### Quick-Fit Sling

Specially designed for patients who are stocky or obese, especially in the midsection. Padding around the buttock and leg area helps to provide extra support. Upper portion of the sling is a mesh type material that dries quickly but is soft and pliable. This sling does not provide head support. The patient may be lifted in a seated, semi-reclined or fully reclined position. Fits all BHM ceiling lift models as well as the Ergolift mobile lift. Available in sizes S, M & L. Weight capacity is 250 kg (550 lbs.)



**Do not use the Quick-Fit sling on a patient who cannot support his or her own head.**



#### SLING SIZES AND PRODUCT NUMBERS:

	SMALL	MEDIUM	LARGE
Approximate weight:	20-46 kg (45-100 lbs.)	46-95 kg (100-210 lbs.)	95-250 kg (210-550 lbs.)
Approximate height:	120-150 cm (4'-4'11")	151-180 cm (5'-5'11")	181 cm + (6' +)
Color Code	Red	Yellow	Green
Quick-fit	TIR-S	TIR-M	TIR-L

#### Sling Placement - from Chair or Wheelchair



**Whenever possible have someone assist you to ensure the patient's safety at all times.**

2. Sling has two sides, the white fabric indicates the side that is intended to be next to the patient, and the label and colored handles are on the outside. The top of the sling is straight and the bottom of the sling has a U-shaped design.



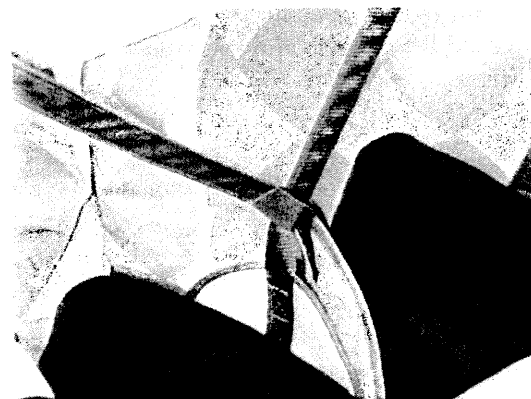
10. Lean patient forward in the chair and make sure the patient is supported.
11. With the white fabric of the sling facing the patient, grab the sling at the top of the U-shape and slide it down to the base of the spine or coccyx. Tuck the sling down on each side to make sure that it is just slightly under the patient's buttock. Check the seam for the sling handle at the center to make sure that it is in line with the patient's spine and bring the patient to the back of the chair.
12. Kneel in front of the patient so that your back is straight and so you are at eye level with the patient. Grab the end of the sling with the white fabric and make sure there are no twists in the sling. The white fabric should be facing the patient's leg. Place one hand on the patient's knee to hold it in place and gently pull the sling forward with the other hand until the edge of the sling is approximately even with the patient's knee.



13. Place the patient's foot on your thigh and slide the white section of the sling under the leg.
14. Take the two straps between the legs. There is a small loop on each strap right next to the sling. Thread one strap through the other to cross them.



15. By crossing the straps as you see here, we keep the knees and hips in line.



16. Place the patient's hands inside the sling before attaching it to the lift.

### Sling attachment to Carry Bar

5. Ensure the sling is properly placed around the patient according to the instructions above.
6. Choose the color of the loop you will need for the position you will be placing the patient in. If transferring to a seated position, use the loops indicated for a seated position.

Sling position		
	BLACK	BLUE
	GREY	BLUE
	BLUE	BLUE



**Always use the same color loop on the rear shoulder straps for both sides of the sling.**

**Use the same color loop on the**



hip straps for both sides of the sling.

7. Ensure the patient's arms are inside the sling and that it is not caught on any obstructions (e.g. wheelchair brake or handle)
8. See Lift Instructions for next step.

### User Instructions for:

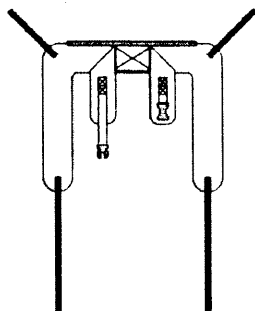
### Hygienic Sling

This sling is excellent for changing incontinence pads or to transfer onto a toilet as it provides an open area from the middle of the back to the middle of the thigh. The padding wraps around the patient's midsection and under each leg. In order to use this sling, the patient must have good muscle-tone in their shoulders and upper body. Fits all BHM ceiling lift models as well as the Ergolift mobile lift and Ergostand stand-assist. Available in sizes S, M & L. Weight capacity is 250 kg (550 lbs.)



**Do not use Hygienic sling on a patient who does not have good muscle-tone in their shoulders and neck.**

**Check with the patient's physician, nurse or medical specialist before using this sling.**



### SLING SIZES AND PRODUCT NUMBERS

	SMALL	MEDIUM	LARGE
CHEST SIZE	68-89 cm (27-35")	89-107 cm (35-42")	107-125 cm (42-49")
PRODUCT #	THY-S	THY-M	THY-L
COLOR CODE	Red	Yellow	Green

4. Sling has two sides, the white fabric indicates the side that is intended to be next to the patient, and the label and colored handles are on the outside. The bottom of

the sling has two long straps and the inside of the sling has a padded section with a belt.



**Whenever possible have someone assist you to ensure the patient's safety at all times.**

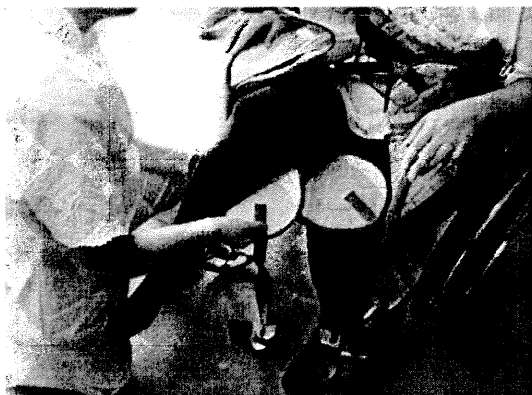
5. Lean patient forward in the chair and make sure the patient is supported.
6. With the white fabric of the sling facing the patient, place it approximately halfway down the back, or so the sling is below the shoulder blades. Lean the patient against the back of the chair.



7. Fold the padded fabric waistband with the belt attached across the mid-section of the patient and clip the belt closed. Make sure the belt is secure.



8. Tighten the belt until snug by pulling gently on the end of the belt.
9. Kneel in front of the patient so that your back is straight and so you are at eye level with the patient. Grab the end of the sling with the white fabric and make sure there are no twists in the sling. Make sure the white fabric is facing the patient's leg. Place the patient's foot on your thigh and slide the white section of the sling under the leg.



8. The hygienic straps need not cross to allow better access to the toileting area. With the hygienic sling, the arms of the patient are always over top of the sling.

## Sling attachment to Carry Bar

5. Ensure the sling is properly placed around the patient according to the instructions above.
6. Choose the color of the loop for the position that is best suited for the patient. For a larger patient, choose blue for both the leg and shoulder straps. A smaller patient may be better suited for the black loops on both the shoulder and leg straps.

Sling position		
	BLUE	BLUE
	GREY	GREY
	BLACK	BLACK



**Always use the same color loop on the shoulder straps for both sides of the sling.**

**Use the same color loop on the leg straps for both sides of the sling.**

7. Ensure the patient's arms are over top of the sling and that it is not caught on any obstructions (e.g. wheelchair brake or handle).
8. See Lift Instructions for next step.

## User Instructions for:

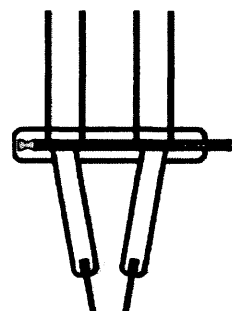
### Walking Sling

Designed to assist people with limited ability to walk, this sling helps support and assist in rehabilitation. Fully padded with a security buckle, the sling is comfortable and simple to use. The user must have some weight bearing ability. Fits all BHM ceiling lift models as well as the Ergolift mobile lift. Available in sizes S, M & L. Weight capacity is 250 kg (550 lbs.)



**Do not use the Walking sling on a patient who does not have weight bearing ability and good muscle-tone in their shoulders and neck.**

**Check with the patient's physician, nurse or medical specialist before using this sling.**





## SLING SIZES AND PRODUCT NUMBERS

	SMALL	MEDIUM	LARGE
CHEST SIZE	68-89 cm (27-35")	89-107 cm (35-42")	107-125 cm (42-49")
PRODUCT #	TEM-S	TEM-M	TEM-L
COLOR CODE	Red	Yellow	Green

10. Sling has two sides, the white fabric indicates the side that is intended to be next to the patient, the label and colored handles are on the outside. The bottom of the sling has two long straps and the inside of the sling has a padded waist section with a belt.



**Whenever possible, have someone assist you to ensure the patient's safety at all times.**

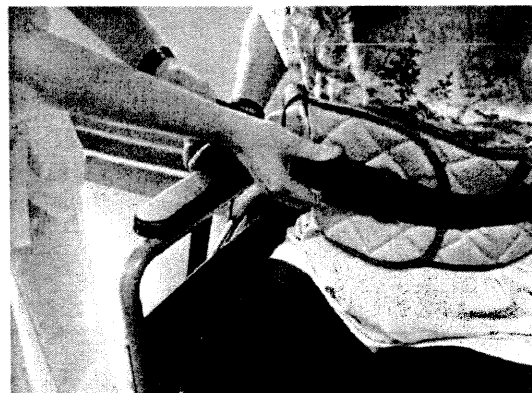
11. Lean patient forward in the chair and make sure the patient is supported.
12. With the white fabric of the sling facing the patient, place the sling approximately halfway down the back, or so it is below the shoulder blades. Lean the patient against the back of the chair.



13. Fold the padded fabric waistband with the belt attached across the mid-section of the patient and clip the belt closed. Make sure the belt is secure.



14. Tighten the belt until snug by pulling gently on the end of it.



15. Kneel in front of the patient so that your back is straight and so you are at eye level with the patient. Grab the end of the sling with the white fabric and make sure there are no twists in the sling. The white fabric should be facing the patient's leg. Place the patient's foot on your thigh and slide the white section of the sling under the leg.



16. The straps that come from between the legs do not attach to the lift. Thread the strap at the chest through the longest loop on the same side.








17. Repeat step 7 with the other side.



18. Note that with the walking sling, the arms of the patient are always over top of the sling.

### Sling attachment to Carry Bar

1. Ensure the sling is properly placed around the patient according to the instructions above.
2. Adjusting the sling loops higher or lower in either the front or the back allows you to tilt the body either direction to correct posture.

Sling position			
			
	FRONT	BACK	
	SAME COLOR FOR ALL 4 STRAPS		
	BLUE	BLACK	
	BLACK	BLUE	



**Always use the same color loop on the rear shoulder straps for both sides of the sling.**

**Use the same color loop on the chest straps for both sides of the sling.**

3. Ensure the patient's arms are over top of the sling and that it is not caught on any obstructions (e.g. wheelchair brake or handle).
4. See Lift Instructions for next step.
5. When raising the patient in the lift, check to make sure the sling sections between the legs are providing snug support. If there is not enough support, reinstall the sling threading the chest straps through a lower loop (grey or black).

Repeat this step until the lower portion of the sling provides proper support.

## OPERATION

### How to use the Voyager Portable



**READ "SAFETY INSTRUCTIONS AND WARNINGS" BEFORE ATTEMPTING TO USE THE VOYAGER LIFT.**


**Always carry out the daily checklist before each lift use.**



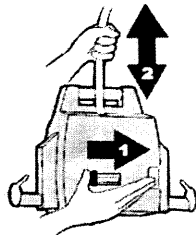
**Damage to the lift may occur if not properly handled. Carry the VOYAGER PORTABLE by its handle only. Do not carry the lift with the reacher accessory or other accessory not intended to be used to carry the lift.**

15. Install the patient sling (see sling installation)
16. Take the battery out of the charger and insert it into the lift. Make sure the silver contact points go inside the lift.
17. Once the patient sling is installed, unwind the strap.

There are two ways to unwind the strap:

First, you can press the  button while holding tension on the strap with the other hand (there must be tension on the strap for the lift to function).

The other way to do this is to use the "QUICK-RELEASE"; Push the knob (1) and pull the strap out of the lift (2).



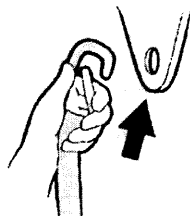
**Push knob completely over to ensure the QUICK-RELEASE will work properly.**



**QUICK-RELEASE will not work if there is tension on the strap. Make sure the strap has some slack in it before attempting to slide the knob over.**

**DO NOT force the knob. It should slide easily.**

18. Attach the round hook to the trolley in the track.



19. Move the lift over to the patient.




**Hold the lift with one hand at all times when near a patient.**

20. Lower the lift below the chin before beginning to attach the sling straps (this is to avoid the risk of facial contact caused by movement of the lift).

For a patient in a lying position, lower the lift near the thorax, and then install the straps.

21. Attach the straps of the sling as described in the sling attachment instructions for the sling to be used. (See sling installation)

22. Lift the patient slightly by pressing the control button 

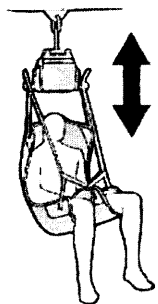



## BEFORE LIFTING THE PATIENT:

4. Make sure that all straps are attached to the carry bar.
5. Make sure the patient's arms are safely out of the way.
6. Make sure the sling is not caught on an obstruction (wheelchair brake or arm of chair).

**If any of the above occur – lower the patient immediately and correct the problem.**

23. Lift until the patient's buttock clears the arm supports or the top of the bath or bed before moving the patient. Guide the legs past any obstacle.



24. When the patient is located above the desired point of transfer and ready to be lowered, press the .

25. Use the handles on the back of the sling to position the patient when transferring into a chair. Hold the handles firmly as the sling lowers and the sling will tilt back to position the patient.

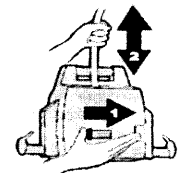
26. Once the patient is properly seated and the straps are loose, remove the sling from the lift.



**Hold the lift with one hand at all times when near a patient.**

27. Slide the lift away from the patient.

28. Unhook the lift from the trolley in the rail and use the "QUICK RELEASE" to shorten the strap. To do so, push the knob (1) and hold the strap while it winds itself into the lift.



**Push knob completely over to ensure the "QUICK-RELEASE" will work properly.**



**"QUICK-RELEASE" will not work if there is tension on the strap. Make sure the strap has some slack in it before attempting to slide the knob over.**

**DO NOT** force the knob. It should slide easily.



When using the "QUICK-RELEASE" hold the strap in your hand and release the knob (1) only when the strap is not going in motion. This will prevent wear of the internal components.

15. Sling may be removed from around the patient.

## Emergency Lowering Feature

The Voyager Portable has an emergency manual-lowering feature in the event of an electrical or functional failure.

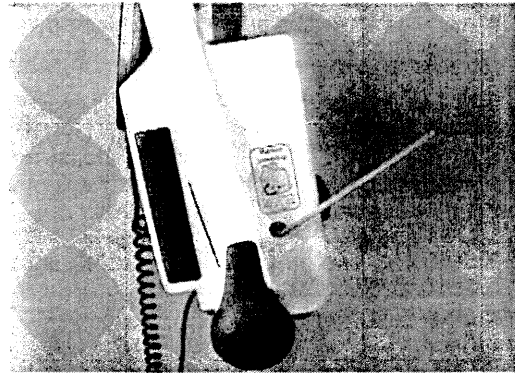
If the lift malfunctions when a patient is being transferred, the emergency manual lowering device provides a safe way of lowering the patient onto a chair or bed.

To operate the emergency lowering feature:

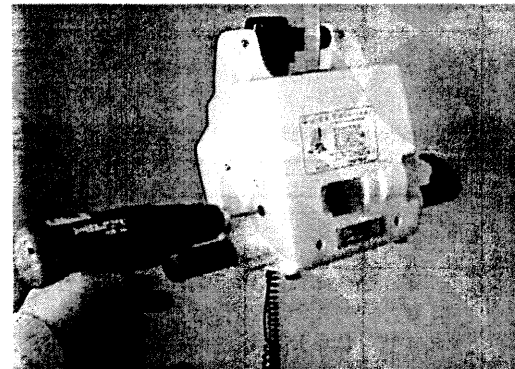
6. Find the rubber stopper and label on the side of the lift.



7. Pull the rubber stopper out of the Voyager Portable casing – DO NOT DISCARD.
8. Move the patient over a bed or chair.
9. Using the Allen key provided with this manual, turn the key clockwise to lower the patient into the chair. As the key turns the motor directly, each key turn will move the patient slightly.



To lower the patient more quickly, use a power drill with a 4 mm Allen key bit.



10. Once the patient is lowered safely into a chair or bed, take the lift to a certified technician to be serviced.

## Battery Information



**DO NOT DROP BATTERY. A DROPPED BATTERY MAY HAVE INTERNAL DAMAGE THAT IS NOT VISIBLE. IT MAY LOSE ITS ABILITY TO RECHARGE.**

Due to internal damage caused when the battery is dropped, the battery may indicate that it is fully charged, when in fact the battery cannot hold a full charge. A green light indicated on the charger may not accurately reflect a full charge on a damaged battery.

**NEVER** attempt to use a battery that appears to be damaged or dented.

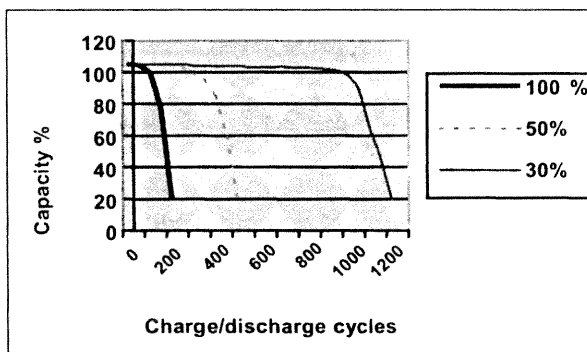
**DO NOT** store battery near a heat source. Heat will damage the battery.

**Always keep metal battery contacts clean.**

- 24 Vdc, 2.0 Ah interchangeable and rechargeable battery.
- Provides 10 to 30 transfers per battery charge (may vary depending on patient weight and battery condition. See graph below).

Life cycle (number of charging cycles) of the battery is largely dependent on the depth of discharge in each cycle. The more the battery is drained, the shorter its life span. The life of the battery is also related to such factors as varying temperatures and rest periods between charge and discharge.

**Graph 1: Number of recharge vs. Depth of discharge**



GRAPH #1 illustrates the relationship between discharging depth and expected battery life.

If you use only 30% of the battery power between each charge, you can expect the battery to fully charge 1050 times.

If you drain the battery until it beeps every time, you can expect the battery to fully charge only 300 times.

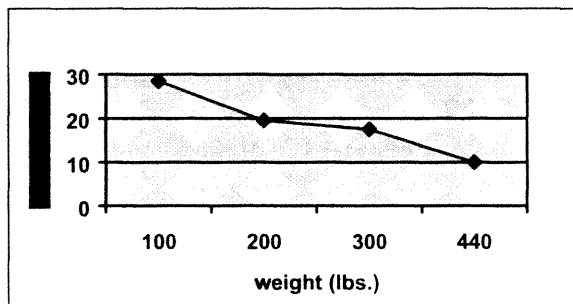


**To prolong battery life - Put the battery into the charger WHENEVER THE LIFT IS NOT IN USE.**

The battery will not overcharge.

BHM uses sealed lead-acid batteries. Contrary to nickel-cadmium, BHM batteries do not have any memory effect. Therefore, batteries should not be completely drained before recharge.

**Graph 2: Number of lifts vs. Lift load**



The graph above (GRAPH #2) illustrates the relationship between the load lifted and the

number of lifts that can be done with one recharged battery.



**Do not drain the battery excessively. This will dramatically reduce the battery life span.**

If the low battery buzzer sounds, be sure to recharge the battery as soon as possible.

## Charger Specifications #A8200

- Hospital grade charger cord and plug.
- Charger input: 120 Vac, 60 Hz, 0.5 A. (North America)/ 240 Vac, 50 Hz, 0.25 A European.

## Charging the Battery with Charger #A8200



**DO NOT OPERATE THE CHARGER UNIT WITH A DAMAGED CORD OR IF THE UNIT HAS BEEN DROPPED OR DAMAGED.**

**DO NOT** forcibly bend the power cord or place a heavy object on it. This will damage the cord and may cause fire or electrical shock.

**DO NOT** pour liquid on or near the charger.



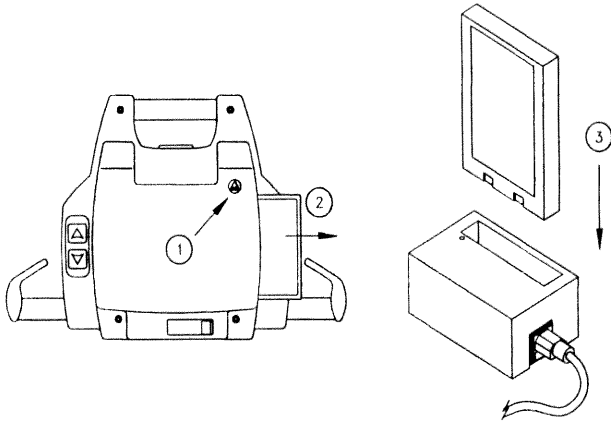
**DO NOT** place the unit in locations that are:

- Extremely hot
- Dusty or dirty
- Very humid
- Moving or vibrating

**Do not attempt to put a damaged battery into a charger. Inspect the battery first for dents or damage.**

The recharging steps should be as follows:

(See step by step instructions)



- Eject the battery from the lift unit by using the "Battery Eject Button" (1). Keep your hand near the opening to catch the battery (2).



**Keep one hand near the opening for the battery (2) before pushing eject button. Do not allow the battery to eject and fall.**

- Insert the battery into the charger (3) with the silver contact points of the battery going into the charger.
- The charging indicator light will illuminate red to white to green depending on the battery drain. If the light does not go on, check the "Troubleshooting" section in this manual for assistance.
- If the battery is low, the light will show red or orange when you place the battery in the charger. The light will gradually turn to a white or yellow color, then to green when fully charged.



Whenever possible, leave the battery in the charger when the lift is not in use.



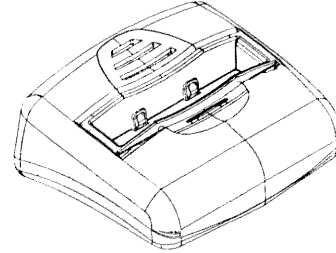
At minimum, charge the battery until the light is green before using again. This will extend the life of the battery.

- When the lift is needed again, pull the battery out of the charger, and gently slide it back into the Voyager Portable lift. The silver contacts should be inside the lift.
- The power cord can remain plugged into the wall indefinitely, convenient for overnight recharging.
- If the battery has been in the charger for an extended period of time or if the battery has not been drained: it is possible that the light

on the charger will turn off, or will not go on. This is only the case when the battery is 99.9% charged.

- To test the charger, use the battery in the lift a few times then put the battery in the charger. If the light still does not go on, see the "Troubleshooting" section.

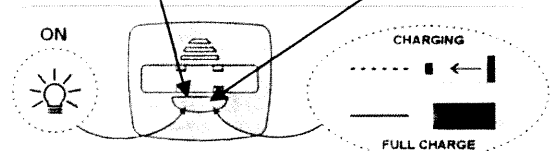
## Charger Specifications #700.13500



- Class 2 power cord rated at 2.5 A (100-240 Vac 50-60 Hz).
- Charger input: 100-240 Vac, 50-60 Hz, 50VA
- Charger output 27 Vdc 1A.
- Input fuse – 1A 250 V located inside the charger.


Green light showing power to the charger

Solid yellow light showing battery 85% charge  
Yellow light blinking showing battery under charge



INPUT = 100 - 240 V~, 50/60 Hz, 50VA

OUTPUT = 27 V ---, 1.0 A

LR 101445 



SN-

ITEM : # 700.13500

MFG DATE /200

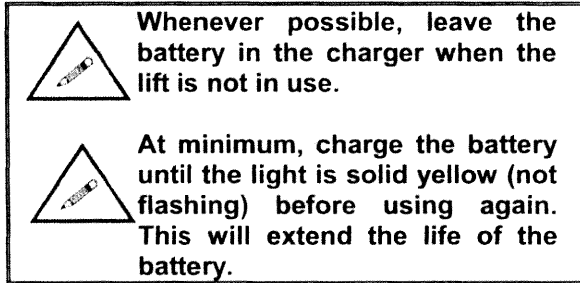
MANUFACTURED BY BHM MEDICAL INC. MADE IN CANADA

## Charging the Battery with Charger # 700.13500

(Available Oct. 2001)

Check to make sure the green light on the charger is illuminated. This indicates that the charger is on.

- Insert the battery into the charger with the silver contact points of the battery going into the charger.
- The charging indicator light will flash yellow while the battery is charging. If the battery is approximately within 85% of being fully charged, the charging indicator light will illuminate solid yellow.
- If the battery is low, it will take approximately 2 hours for a full charge.



- When the lift is needed again, pull the battery out of the charger and, gently slide it back into the Voyager portable lift. The silver contacts should be inside the lift.
- The power cord can remain plugged into the wall indefinitely, convenient for overnight recharging.
- The battery can be left in the charger for an extended period of time without damaging either the charger or battery.
- If the green light does not go on when the charger is plugged into an electrical outlet, see "Troubleshooting"

## MAINTENANCE



**DO NOT attempt to open the VOYAGER PORTABLE. Only a certified technician is authorized to open the VOYAGER PORTABLE.**

**Alterations made to the VOYAGER PORTABLE by someone other than a certified technician may cause serious injury.**

**VOYAGER PORTABLE and accessories must be inspected ANNUALLY by a certified technician in addition to the daily and other periodic visual checks done by the user specified in this section.**

**Preventive maintenance specified in this manual can prevent accidents and reduce repair costs.**

**Note all service or repairs to the VOYAGER or its accessories in the log book at the end of this manual. Have the document signed by a certified technician**

## Daily Check List

**THE FOLLOWING PROCEDURE MUST BE FOLLOWED BEFORE EACH USE.**

- Has the battery been charged? Charge the battery whenever the lift is not in use.
- Inspect the battery before placing it in the Voyager portable. If the battery appears to have any damage – DO NOT USE IT. Replace the battery immediately (Product # A8500)
- Inspect the lift for any damage. If the lift casing does not look properly aligned, or there are any cracks or other damage on the lift, or any parts are missing - DO NOT USE IT. Contact your local representative to have the lift serviced.
- Attach the lift to the trolley in the rail. Inspect the visible strap for any signs of wear, frays, loose threads or other damage. If there is any evidence of damage- DO NOT USE IT. Contact your local representative to have the lift serviced.
- Inspect the sling for tears, frayed straps or loose stitching. If the sling has any of the above damage –DO NOT USE IT. Contact your local representative to have the sling replaced or repaired.
- Inspect the reacher and adjustable extension strap (if you have these options) for wear. Check the adjustable extension strap for frays or loose stitching. Check the reacher for damage in the metal hook or handle. DO NOT USE if there is any damage.
- Inspect the hook at the top of the strap to ensure it is properly attached and there is no damage to the hook.

## Inspection and Cleaning

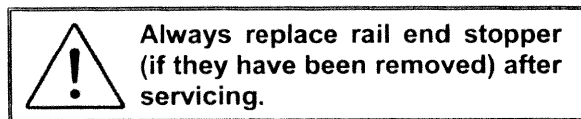
Clean the voyager body with a dry soft cloth, or a soft cloth lightly moistened with a mild detergent



solution. Do not use any type of solvent that may damage the finish.



To ensure a better rolling surface for the trolley wheels, clean the inside of the track every 4 months. To do so, insert a damp cloth in the opening and slide it from one end of the track to the other.

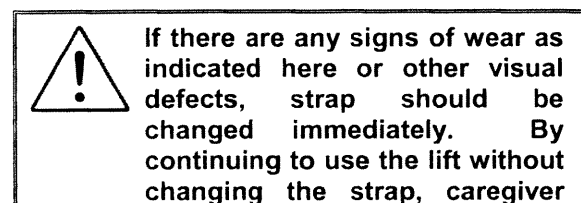
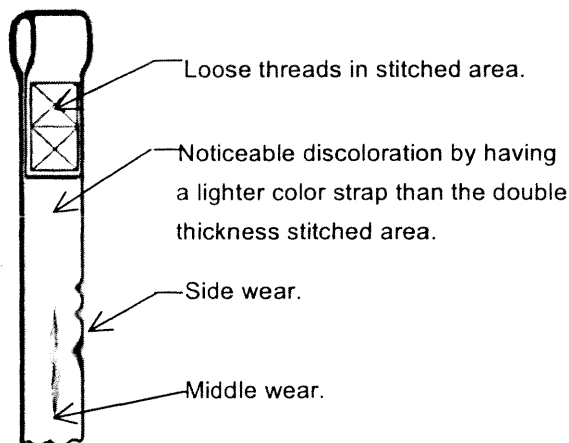


## Strap Inspection

This equipment is built with a strap that can withstand a load of 1364 kg (3000 lbs.) Nonetheless, if this strap is damaged or shows signs of wear, the acceptable load on the strap before rupture can drop rapidly and present a danger for the patient or caregiver.

BHM Medical recommends thoroughly inspecting the strap every 2 months as follows:

1. Completely unwind the strap.
2. Look for any signs of wear.



**and patient safety is greatly compromised.**

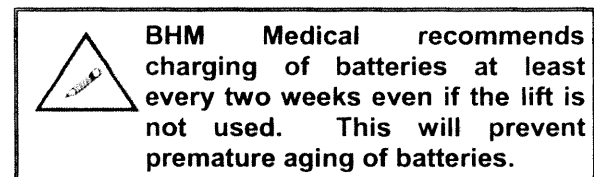
**In any case, manufacturer recommends to change strap at least every two years. By continuing to use the lift without changing the strap, caregiver and patient safety is greatly compromised.**

**Take note of results of inspection in the log book at the end of this manual.**

## Handling and Storage

Avoid violent shock during transportation.

The lift should not remain stored for long periods of time without recharging the batteries.

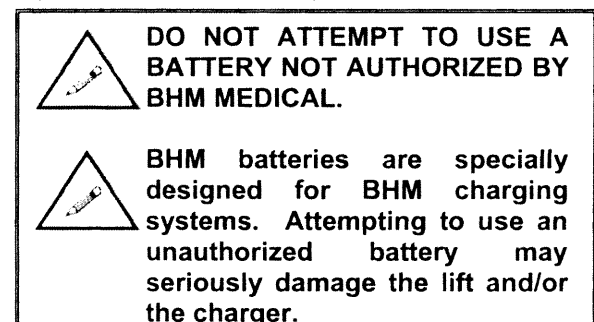


## Battery Replacement

BHM uses sealed lead-acid batteries. Contrary to nickel-cadmium, BHM batteries do not have any memory effect. Therefore, batteries should not be completely drained before recharge.

Replace the battery when it has been dropped or if there is a noticeable reduction in the number of transfers that can be performed between charges. If you notice the Voyager Portable "beeping" – see the instructions in "Troubleshooting" section to ensure it is a problem with the battery.

To replace a battery, contact your local dealer or representative and order product # A8500.



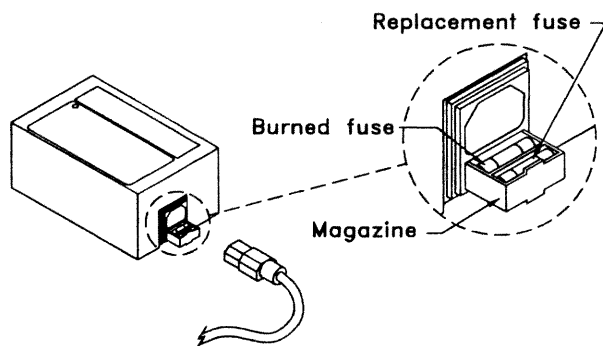


## Charger Fuse Replacement

(Charger #A8200 only)

If the charger light does not illuminate when there is a battery in it, do the following steps:

6. Make sure the battery is properly placed in the charger. The silver contact points should be inside the charger.
7. Check to make sure the power cord is correctly plugged in to the charger and the wall.
8. If the light still doesn't work, plug the charger into a different outlet in a different area to ensure that the outlet is working properly.
9. Pull the power cord out of the charger. Under the socket on the charger, there is a drawer or magazine where there is a fuse. Using a pen or screwdriver, pull the drawer out gently. Pull the burnt fuse out of the drawer that is next to the charger (see diagram below) and discard. Take the replacement fuse and place it in the same slot where the burnt fuse was. Slide the drawer back into the charger. Plug the power cord into the charger. Place the battery into the charger and check for the light.
10. If the light does not illuminate, contact your local dealer or representative for assistance.



Replace the fuse with the following:

Fuse: GMC 0.5 A 250 V North America (When input is 120 Vac) Product # C8FGMC0.5

GMC 0.25 A 250 V European (When input is 240 Vac) Product # C8FGMC0.250

The fuse may also be ordered through your local dealer or representative.

## Sling Inspection and Care

For maximum patient safety and hygiene, read the following instructions:

### Chemical Attack

Oil, grease, creosote or paint stains are harmless but other forms of chemical attack of a sufficient degree may lead to deterioration or extreme softening of the webbing, which would lead to the fibres being rubbed off (almost as powder in extreme cases). It is best to avoid fumes, spray or mists of acid and alkalis or organic solvents. If contamination is suspected, wash out well in warm water. Avoid contact with excessive heat, which is likely to affect the product.

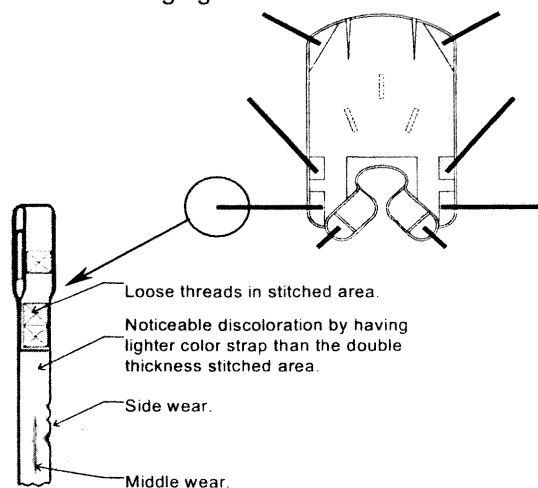
### Cleaning

Certain chemical substances mentioned above may be removed by diluted heavy duty cleaner and warm water. Ensure that any cleaning agents are removed by rinsing thoroughly in warm water, maximum 60°C (140°F), and allowed to dry naturally away from any source of direct heat.

For normal washing and cleaning, follow the care instructions on the label of the product.

### Storage

Slings should be stored away from direct sunlight, stress, pressure, excessive heat or humidity. The sling should be kept away from contact with sharp objects, corrosives or other possible damaging material.



7. Check for any sign of wear on sling straps as described above and at the strap-sling junction. Buckles should be checked to ensure that the locking/unlocking mechanism opens and closes easily.

8. Check for any sign of deterioration of the sling material. Check for general external wear, local abrasion, cuts, holes or burns in the webbing and for chemical attack.
9. Look at "stitched areas" for broken, worn, pulled or unravelled stitches.
10. Sling should be cleaned as indicated on the tag.

If there is any sign of wear or deterioration as indicated above or other visual defect, sling should be changed immediately. By continuing to use the lift without changing the sling, caregiver and patient safety is greatly compromised.



**Take note of inspection results in the log book at the end of this manual.**

### Annual Inspection

The Voyager Portable and its accessories must be inspected annually by a certified technician.



**VOYAGER PORTABLE AND ACCESSORIES MUST BE SERVICED EVERY 12 MONTHS AS MINIMUM REQUIREMENT.**

**Do not attempt to do the inspection unless you are certified to do so.**

**As part of the annual inspection, an annual load test with the safe working load must be performed on the VOYAGER PORTABLE as required for CE MARK MAINTENANCE.**

**After annual inspection, have the log book signed by the certified technician.**

## Maintenance Inspection Checklist

TO BE INSPECTED BY USER						
ITEM	INITIALLY	BEFORE EVERY USE	EVERY 2 MONTHS	EVERY 6 MONTHS	EVERY YEAR	EVERY 2 YEARS
<b>LIFT DEVICE</b>						
Inspect for missing hardware or broken panel.	<b>X</b>	<b>X</b>			<b>X</b>	
Inspect strap for wear.		<b>X</b>	<b>X</b>			
Battery recharge.		<b>X</b>				
Inspect round hook on the strap of the lift for damage or cracks.					<b>X</b>	
Inspect trolley in rail for damage, rust or cracks. Replace if damaged.					<b>X</b>	
Overall inspection by authorized personnel					<b>X</b>	
<b>SLING AND HARDWARE</b>						
Check all sling attachments for sign of wear.		<b>X</b>				
Inspect sling material for wear or deterioration.		<b>X</b>				
Inspect sling straps for wear.		<b>X</b>				
Inspect for any defect or loose threads in the "stitched areas".		<b>X</b>				
Cleaning sling as indicated on the tag.	<i>When Necessary</i>					
<b>ACCESSORIES</b>						
Verify strap extension for wear				<b>X</b>		
Verify arm extension for wear				<b>X</b>		

MAINTENANCE BY A CERTIFIED TECHNICIAN						
Replace strap.						<b>X</b>
Inspect the welding aspect on the frame to detect cracks.					<b>X</b>	
Inspect connecting joints for proper attachment.					<b>X</b>	
Verify that the emergency brake on the drum is turning freely.					<b>X</b>	
Verify emergency devices for good functioning.					<b>X</b>	







Maintenance inspection points are suggested by the manufacturer, however in certain cases, some inspections should be done on a more frequent basis. By continuing to use the lift without replacing the listed parts in this maintenance inspection checklist, caregiver and patient safety is greatly compromised.

## TROUBLESHOOTING



**DO NOT attempt to open the VOYAGER PORTABLE. Only a certified technician is authorized to open the VOYAGER PORTABLE.**

**Alterations made to the VOYAGER PORTABLE by someone other than a certified technician may cause serious injury.**

PROBLEMS	TO CHECK
The unit does not work when you press the  or  buttons on the hand control.	<ul style="list-style-type: none"> <li>Make sure the hand control is plugged correctly into the unit.</li> <li>Use the control switches directly on the unit. If they are working, it indicates a problem with the hand control; you would then need to change the hand control.</li> </ul>
The unit does not work when you press the  or  buttons on both sides of the lift.	<ul style="list-style-type: none"> <li>Is the battery charged and correctly installed? Ensure the battery is inserted into the lift with the silver contact points inside the lift. Place the battery into the charger and check the light on the charger. If the light remains red, leave the battery in the charger for approximately 2 hours.</li> <li>Is the "QUICK RELEASE" knob completely to the left (locked) position? If not, the lift will not operate. Tighten the tension on the strap to help move the "Quick Release" knob.</li> <li>Is there tension on the strap? The "Anti Crush" feature will prevent the lift from working if there is no tension.</li> <li>If all of the previous points have been checked without success, you probably have a motor or electric problem, you then need to call your BHM Medical representative.</li> </ul>
The unit starts and stops repetitively.	<ul style="list-style-type: none"> <li>If the load is more than safe working load, the unit will not work due to an overload protection on the motor.</li> <li>Has the lift been making a "beeping" sound? The battery is low and needs to be charged.</li> </ul>
The lift emits a "beep" during utilization. The unit may stop lifting but you can still lower it.	<ul style="list-style-type: none"> <li>Batteries are low, recharge them</li> </ul>
Charge indicator on the charger #A8200 (green-red) does not light up when the battery is in the charger	<ul style="list-style-type: none"> <li>Check the orientation of the battery. The silver contact points should be inside the charger.</li> <li>Is the charger plugged into a standard outlet?</li> <li>Check the condition of the fuse. If needed, change it with a spare one. (see "Maintenance" section of this manual)</li> <li>Has the battery been in the charger for many hours? See "Battery Information" and "Charging the Battery" in "Maintenance" section.</li> </ul>
The light on the charger #A8200 shows green when the battery is inserted; yet the lift will only work when there is no one in the lift. When you attempt to transfer someone, the lift stops.	<ul style="list-style-type: none"> <li>Battery is damaged – have it replaced.</li> </ul>
The light on the charger #A8200 always lights up red – does not turn to green	<ul style="list-style-type: none"> <li>Try a different battery in the charger if available.</li> <li>Take the battery and charger to a certified technician.</li> </ul>

## TROUBLESHOOTING

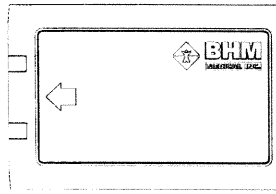
PROBLEMS	TO CHECK
after an overnight charge.	

PROBLEMS	TO CHECK
Battery is always dead after a few transfers (3 to 5).	<ul style="list-style-type: none"> <li>Replace battery with a new one, the life of the current one is probably nearly over. (See the "Battery Information")</li> </ul>
The light on the charger shows green (yellow for charger #700.13500) when the battery is inserted, yet the lift will only do one or two transfers.	<ul style="list-style-type: none"> <li>Battery has either been dropped or damaged in some other way. Replace the battery.</li> </ul>
Charger #700.13500: Green light is not illuminated	<ul style="list-style-type: none"> <li>Is the charger plugged into a standard outlet?</li> <li>Try plugging the charger into another outlet to see if it will work.</li> <li>Contact your local dealer or representative.</li> </ul>
Charger #700.13500: When battery is inserted into the charger, the yellow light does not flash or illuminate solid.	<ul style="list-style-type: none"> <li>Check the orientation of the battery. The silver contact points should be inside the charger.</li> <li>Contact your local dealer or representative.</li> </ul>
The battery does not slide into the lift.	<ul style="list-style-type: none"> <li>Check if there is any damage to the battery that would interfere in the lift battery's slot. IF THERE IS DAMAGE - DO NOT USE THE BATTERY.</li> <li>Try to slide in another battery to see if there is any damage in the lift battery's slot. If so, call your BHM Medical representative, if not discard the damaged battery.</li> </ul>
Cannot remove battery from the lift.	<ul style="list-style-type: none"> <li>See "Operation" instructions "Charging the Battery" on how to remove the battery.</li> <li>If the battery will not come out of the lift, tilt the lift to the side so that the battery opening is under the lift. With your hand guarding the opening for the battery, press the eject button on the front of the Voyager Portable while gently tapping the lift to help jolt the battery out of the lift. ONCE THE BATTERY IS REMOVED – DISCARD BATTERY AND REPLACE.</li> <li>If you cannot remove the battery after trying the above, contact your local dealer or representative for assistance.</li> </ul>

## ACCESSORIES

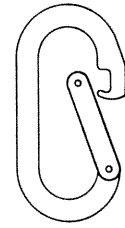
### BATTERY

Product No. A8500



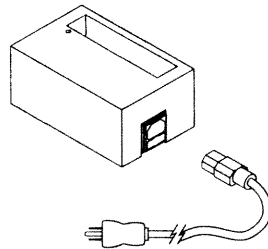
### HOOK

Product No. 000.08000

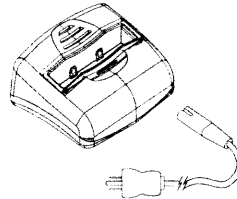


### CHARGERS

Product No. A8200

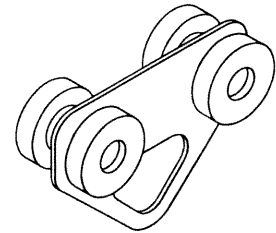


Product No 700.13500



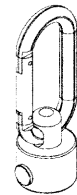
### STANDARD TROLLEY

Product No. A5900



### SWIVEL ADAPTOR

Product No. 700.10950

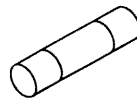


### HOSPITAL GRADE POWER CORD

Product No. E7525 North America  
E7521 Europe  
E7527 UK  
E7528 Australia

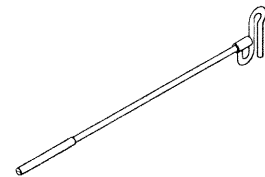
### FUSE

Product No.  
C8FGMC0.5 (120/24 volt) North America  
C8FGMC0.25 (240/24 volt) European



### ARM EXTENSION

Product No. A8300



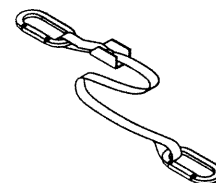
### HAND CONTROL

Product No. 700.13600



### ADJUSTABLE STRAP EXTENSION

Product No. A3710



## LOG BOOK

Product Name : VOYAGER PORTABLE

Product Serial Number : \_\_\_\_\_

Date of purchase : \_\_\_\_\_

Warranty Period : \_\_\_\_\_

Distributed By : \_\_\_\_\_

## Owner Checklist :

- Ensure the lift is serviced regularly as the Maintenance Inspection Checklist on page 63.
- Contact an authorized BHM Medical Distributor / Service Agent immediately if there are any problems with the operation of the device.
- Ensure the log book is completed and signed.
- Record any repairs required.
- Withdraw the patient lifter from service if inspection reveals that user safety is jeopardized in any way from use of the patient lifter.

## TO BE COMPLETED AFTER EACH SERVICE OR INSPECTION

Service Type <input type="checkbox"/> Pre-delivery <input type="checkbox"/> Periodic inspection <input type="checkbox"/> Minor <input type="checkbox"/> Major	
Condition report : _____ _____	
Action taken : _____ _____	
Date : _____	Inspected by: _____ Printed                      Signature

Service Type <input type="checkbox"/> Pre-delivery <input type="checkbox"/> Periodic inspection <input type="checkbox"/> Minor <input type="checkbox"/> Major	
Condition report : _____ _____	
Action taken : _____ _____	
Date : _____	Inspected by: _____ Printed                      Signature

Service Type <input type="checkbox"/> Pre-delivery <input type="checkbox"/> Periodic inspection <input type="checkbox"/> Minor <input type="checkbox"/> Major	
Condition report : <hr/> <hr/>	
Action taken : <hr/> <hr/>	
Date : <hr/>	Inspected by: <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <hr style="width: 45%;"/> <hr style="width: 45%;"/> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Printed</span> <span>Signature</span> </div>

Service Type <input type="checkbox"/> Pre-delivery <input type="checkbox"/> Periodic inspection <input type="checkbox"/> Minor <input type="checkbox"/> Major	
Condition report : <hr/> <hr/>	
Action taken : <hr/> <hr/>	
Date : <hr/>	Inspected by: <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <hr style="width: 45%;"/> <hr style="width: 45%;"/> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Printed</span> <span>Signature</span> </div>

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Condition report : <hr/> <hr/>	
Action taken : <hr/> <hr/>	
Date : <hr/>	Inspected by: <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <hr style="width: 45%;"/> <hr style="width: 45%;"/> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Printed</span> <span>Signature</span> </div>

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Service Type <input type="checkbox"/> Pre-delivery <input type="checkbox"/> Periodic inspection <input type="checkbox"/> Minor <input type="checkbox"/> Major	
Condition report : _____ _____	
Action taken : _____ _____	
Date : _____	Inspected by: _____ Printed                      Signature

Service Type <input type="checkbox"/> Pre-delivery <input type="checkbox"/> Periodic inspection <input type="checkbox"/> Minor <input type="checkbox"/> Major	
Condition report : _____ _____	
Action taken : _____ _____	
Date : _____	Inspected by: _____ Printed                      Signature

Service Type <input type="checkbox"/> Pre-delivery <input type="checkbox"/> Periodic inspection <input type="checkbox"/> Minor <input type="checkbox"/> Major	
Condition report : _____ _____	
Action taken : _____ _____	
Date : _____	Inspected by: _____ Printed                      Signature

## WARRANTY

This warranty is extended only to the original purchaser/user of BHM products.

BHM Medical Inc. warrants its products to be free from defects in material under normal use and service, within the periods stated below from the date of purchase. If within such warranty period any such product shall be proven to be defective, such product shall be repaired or replaced at BHM Medical's option. This warranty does not include any labor or shipping charges incurred in replacement part installation or repair of any such product. BHM Medical's sole obligation and your exclusive remedy under this warranty shall be limited to such repair and/or replacement.

Patient Lifter	1 year
Tracks and installation	Lifetime warranty*
Weighing Devices	1 year
Accessories on Lifter	1 year
Slings	1 year
Batteries - Voyager Portable	3 months
Batteries - All other lifts	1 year
Easytrack System	1 year

For warranty service, please contact the dealer from whom you purchased the BHM Medical product. [In the event that you do not receive satisfactory warranty service, please contact BHM Medical (see contact information in page 2 of this guide)].

Do not return products to our factory without prior authorization. BHM Medical will issue a Return Merchandise Authorization (RMA) Number. C.O.D. shipments will be refused; all shipments to BHM Medical must be prepaid. For this warranty to be valid, the purchaser must present its original proof of purchase at the moment of the claim. The defective unit, assembly or part must be returned to BHM Medical for inspection. The part or components repaired or replaced are guaranteed for the remaining period of the initial warranty.

### **Limitations and Exclusions:**

The warranty above does not apply to serial numbered products if the serial number has been removed or defaced.

No warranty claim shall apply where the product or any other part thereof has been altered, varied, modified, or damaged; either accidentally or through improper or negligent use and storage. Warranty does not apply to products modified without BHM Medical's express written consent, (including but not limited to products modified with unauthorized parts or attachments); products damaged by reason of repairs made to any component without the specific consent of BHM Medical, or to products damaged by circumstances beyond BHM Medical's control. BHM Medical will solely determine evaluation of warranty claim. The warranty does not apply to problems arising from normal wear or failure to adhere to the instructions in this manual. BHM Medical Inc. slings are void of warranty if not laundered as per instructions on the Sling Label.

BHM Medical Inc. shall not be liable for damages losses or inconveniences caused by a carrier.

This warranty replaces any other warranty expressed or implicit and constitutes BHM Medical Inc. only obligation towards the purchaser. BHM Medical shall not be liable for any consequential or incidental damages whatsoever.

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\* Valid only if BHM Medical did the original installation. Warranty voids if tracks/installation have been modified.